

20030222.qrp v02_n839.qrl.20030222

Date: Sat, 22 Feb 2003 19:03:10 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2839

QRP-L Digest 2839

Topics covered in this issue include:

- 1) [146510] RF sniffer kit
by guy ghisu <guyg1@rcn.com>
- 2) [146511] Re: Amateur Radio Educational Flash Animations
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 3) [146512] F.S. Iomega zip drive with accessories
by "Joe W2KJ" <w2kj@bellsouth.net>
- 4) [146513] Maintaining Marine batteries
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 5) [146514] Thanks to all the helpers on the list re MFJ 259B
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 6) [146515] QRP-L EDITOR
by hamjoel@juno.com
- 7) [146516] FYOB from USS Kidd
by James R Giammanco <n5ib@juno.com>
- 8) [146517] FYBO: Look for Northern Vermont QRP Society
by "John Grow" <jgrow@sympatico.ca>
- 9) [146518] Key/paddle ideas
by "Jerry Felts" <nr5a@rap.midco.net>
- 10) [146519] Homebrew FYBO temperature indicator
by Nick Kennedy <nkennedy@tcainternet.com>
- 11) [146520] QRP Dummy Load Resister Kit
by "Brice D. Hornback" <bdh@cyberbound.net>
- 12) [146521] EMRFD: first impressions
by "laura halliday" <marsgal42@hotmail.com>
- 13) [146522] FYBO from North Dakota
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 14) [146523] Heading our for Radiofest
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 15) [146524] It's the Quarterly Editor
by hamjoel@juno.com
- 16) [146525] Texas Bug Catcher Mobile Coil Wanted ie trade for items ect..
by ve3ab@mail.mondenet.com
- 17) [146526] FS
by "Robert Seymour" <bobsey@ozarkisp.net>
- 18) [146527] TenTec 645 electronic keyer FS
by "Ken Simpson, W8EK" <W8EK@fdt.net>
- 19) [146528] FS: NJQRP Rainbow tuner Kit

- by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 20) [146529] RE: FYBO question
by "Bob Hightower" <nk7m@extremezone.com>
- 21) [146530] Reminder First Bug Nite on Monday Feb 24
by Michael Babineau <michael.babineau@sympatico.ca>
- 22) [146531] Rainbow tuner kit SOLD!!!
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 23) [146532] Re: Solder Paste for SMT- Acquiring and using
by Dan Puckett <wd8aau@woh.rr.com>
- 24) [146533] NJQRP Digital Bread Board Project
by "William Phinizy" <k6whp@verizon.net>

Date: Fri, 21 Feb 2003 18:55:31 -0500
From: guy ghisu <guyg1@rcn.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@lehigh.edu>
Subject: [146510] RF sniffer kit
Message-ID: <3E56BC73.40204@rcn.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hello,

I just received my "sniffer kit" from the NJQRP club. Whatta deal! The meter alone is worth \$5. At \$10 per kit this truly is a "gift" from the njqrp club. I smell solder. Thanks to everyone who was involved with getting this really useful and inexpensive kit together. 73, Guy kb3ckw

Date: Fri, 21 Feb 2003 19:07:27 -0500
From: "Lawrence Makoski" <Makos327@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [146511] Re: Amateur Radio Educational Flash Animations
Message-ID: <005301c2da06\$62f99d20\$2253590c@larrysahyqy001>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brian,

In one word ... excellent !!!

Larry W2LJ

----- Original Message -----

From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, February 21, 2003 4:19 PM
Subject: Amateur Radio Educational Flash Animations

> I have recently begun to learn Flash Animation. I have created a short
> movie introducing capacitors. The target audience is young people around
> the boy scout/girl guide range.

>

> You can see the first one at:

>

> <http://duke.usask.ca/~buydens/ham/ham4kids/flash/index.html>

>

> Comments/constructive criticism would be welcome. I am not an artist.

>

> Brian.

>

> Brian Buydens

> Veterinary Electronic Data Specialist

> Computing Services, University of Saskatchewan

> email: Brian.Buydens@usask.ca

> <http://duke.usask.ca/~buydens>

> VE5RDV

>

> -----

> I am a proud citizen of "Soviet Canuckistan"

>

>

>

>

>

>

>

>

Date: Fri, 21 Feb 2003 19:18:41 -0500

From: "Joe W2KJ" <w2kj@bellsouth.net>

To: "qrp-1" <qrp-1@lehigh.edu>

Subject: [146512] F.S. Iomega zip drive with accessories

Message-ID: <000501c2da07\$f4ff6640\$220110ac@gateway.2wire.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang:

I got my wife a new computer so the following is excess to my needs.

One each Iomega 100MB zip drive (it looks new) with carrying case, tools disk, software, and 6 apparently new, un-used 100MB disks.

I haven't used it but the previous owner said it worked just fine.

I'll ship it for \$50 in the lower 48.

73, Joe W2KJ

Date: Fri, 21 Feb 2003 18:20:36 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Glenn Maclean" <wa7spy@attbi.com>, <qrp-1@Lehigh.EDU>
Subject: [146513] Maintaining Marine batteries
Message-ID: <003601c2da08\$38ca70e0\$4e100a0a@rohredt2000>

Glenn, if your operations are seldom on battery power for deep discharge, you could buildup the recharge during off radio times by placing a simple trickle charger that Sears sells across both batteries since they are in parallel. This recharger tapers off the charge and is used to mount under the hood of a car to maintain a battery in cold climates. Cost about \$25 last I bought one.

72, Stuart K5KVH

Date: Fri, 21 Feb 2003 18:44:12 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [146514] Thanks to all the helpers on the list re MFJ 259B
Message-ID: <005e01c2da0b\$849e0880\$4e100a0a@rohredt2000>

Just 10 minutes after posting how to disable auto power off of the MFJ, I had the answer, had the manual, and had third party info off web on how to calibrate a 259B Antenna Analyzer, is this a great list or what?!

Tnx and 72,
Stuart K5KVH

Date: Sat, 22 Feb 2003 01:23:46 GMT
From: hamjoel@juno.com
To: qrp-l@Lehigh.EDU, fpqrp-l@mpna.com
Subject: [146515] QRP-L EDITOR
Message-ID: <20030221.172414.22950.148619@webmail02.lax.unttd.com>

i HAVEN'T heard anything about "sheets Boudreaux"
so I am pulling the submission and offering it to the flying pigs for their web page newsletter "Bacon Bits"

Those of you who follow my storiesjust go to Flying Pigs Club on the web and look under their newsletter bacon bits....

Never have I had such delight in writing something about nothing... don't be afraid to give me feedback....

I guess transitional periods can be rough...

Joel ke1la
in maine

KE1LA JOEL
IN MAINE
FREEZIN

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Date: Fri, 21 Feb 2003 18:35:04 PST
From: James R Giammanco <n5ib@juno.com>
To: qrp-l@Lehigh.edu
Subject: [146516] FY0B from USS Kidd
Message-ID: <20030221.202806.7559.2.n5ib@juno.com>

Weather here in Baton Rouge LA is rain today, becoming rainier tomorrow,

with a chance of rain on Sunday but..... not cold :^)) so bonus points will be scarce, unless the contest gurus will award multipliers for each new strain of mildew discovered.

Look for W5KID, the USS Kidd, in the FYBO tomorrow. Should the rain actually abate, which the meteorologists** predict, we'll have a rig up on the flying bridge and a second in the radio room. End-fed wire and/or 44 ft doublet for the temp antennas. If raining... well, probably just the one rig in the radio room. Ed, AD5JV, will have his new Argonaut and will operate mostly SSB near where WQ0RP suggested (7.285, 14.285, 21.385 and 28.385). I, on the other hand, will have K2 #1233 running the full tablespoon (5W) near the CW watering holes. We may even play a bit of PSK-31 with the Argo, even though it'll not be for FYBO credits.

A chance to work the Pirate of the Pacific two-way QRP. Let the pileups begin :^))

72

Jim N5IB

USS Kidd ARC

** meteorologist - (as I kid my son Ian, KD5PU0, who is one) - when asked to add 2 plus 2, replies "mostly three today, becoming four tomorrow, with a slight chance of five on Sunday"

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Date: Fri, 21 Feb 2003 22:23:54 -0500
From: "John Grow" <jgrow@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [146517] FYBO: Look for Northern Vermont QRP Society
Message-ID: <014901c2da21\$d451c5e0\$8377fea9@john>

Gang,

Look for the Northern Vermont QRP Society tomorrow.
We will be operating both SSB and CW. We will be operating 1700 ft. up Mount Mansfield in Vermont. Take a look at our web site, and also see what we did

in FYBO 2001, and 2002. It should be around 20 - 30 degrees.
<http://www.wulfden.org/NVQS/index.shtml>

John VE2EQL

Date: Fri, 21 Feb 2003 19:45:48 -0700
From: "Jerry Felts" <nr5a@rap.midco.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [146518] Key/paddle ideas
Message-ID: <000201c2da21\$7ad0dec0\$3865dc18@jerryhc0zffj19d>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Starting March 3 I have to go back to day shift (YUK). I get off work at 3:30, and my wife gets off at 4:30, which means I have a hour to kill.

Planning on throwing my QRP+/ Z-11 in the car and during that hour working cw!

I need ideas for a fast, quick, dirty, cheap, simple key/paddle that I can build in a short time.

Plan to work the higher bands, so if ya need South Dakota keep an ear open.

Jerry - NR5A

Date: Fri, 21 Feb 2003 21:36:34 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [146519] Homebrew FYBO temperature indicator
Message-ID: <01C2D9F1.4EE3E8A0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I know; it's a little late to come up with a FYBO gizmo, so file this one away for later.

See, I'd been working on this push-pull amplifier and decided to do one of

those temperature compensated bias circuits. The one where you cement a diode to one of the power transistors for a detector. Naturally, this gets me off onto a big-time digression on diodes as temperature detectors.

I've played with the famous Diode Equation before. It gives the current thru a diode as a function of voltage across the diode and temperature. It says that diode current $I = I_s \cdot (\exp(V_d \cdot q / k \cdot T) - 1)$, where I_s is the saturation current, about $1\text{E-}14$ amps for silicon, V_d is the voltage across the diode, q is $1.6\text{E-}19$, k is $1.38\text{E-}23$ and T is the temperature in Kelvin.

So you oughta be able to take that equation, hold the diode current constant, and see what the voltage does as T varies. Only problem is, it goes the wrong way! Voltage goes up with temperature, and we all know that's not right. OK you physics and electronics heavies, what's the problem?

I knew you'd know, but I had to do a net search to get The Rest of the Story. Turns out that " I_s " isn't a constant; it goes up really fast as temperature increases and more than outweighs the T in the denominator of the diode equation. The end result is that with constant current, voltage across the diode decreases with temperature. What's sort of surprising is that the change is fairly linear. That means you can make a temperature detector out of one without requiring a lot of fancy processing of the signal to convert to temperature.

The next step is to try it out. I took a 1N4004 and soldered on some of that teflon wire I got from that '2' guy on QRP-L. (I'd put some of this wire in the oven at 350 and it didn't smoke.) Also, I found a net article saying the 1N400x package could stand nearly 400 degrees F. Since diodes vary, you have to calibrate 'em. First though, what about the constant current source. Well, like most DVMs, my Radio Shack unit has a diode test function where it reads the diode voltage drop in mV. I'm assuming that it sources a constant current to the diode for this test.

To calibrate, you use the two temperature standards available in every home: the freezing point and boiling point of water. (Folks in Denver may have to make a slight correction.) For the freezing point, put a bunch of crushed ice in an insulated coffee cup or thermos, add water and stir.

Stick the diode in there and record the mV when it quits rising. Next, fill the tea kettle with water and bring to a roaring boil. Stick the diode in thru the spout and record the value when it stops dropping. OK, now you have two points, so plot them on a graph using Excel or the old fashioned way. Draw a straight line between them and don't be afraid to extrapolate all the way down to 0 F and up to 400 F.

Now you can use your probe and look up the temperature on the graph.

Another way is to do the math for a straight line equation. I was doing it on Excel, but now have it programmed into my calculator, so I plug in mV and it gives me degrees F. Here's how you do the math: Take 180 degrees

(212 - 32) and divide by the difference in mV from 32 to 212 degrees. That gives you degrees per mV. It's a negative number. (I got -0.8531.) OK, take your mV reading for your temperature measurement. Subtract the mV you recorded at 32 degrees from that. Multiply the result by the mV per degree number. Add 32. That's the temperature.

An easier way would be to build a simple circuit to scale the voltage from your detector so that mV converts directly to degrees. You can find a circuit that does this at <http://www.rst-engr.com/>. Select "magazine articles" and then select "Build a 25 cent thermometer" for a nice pdf file.

But it's fun just with the DVM. I'm checking everything's temperature. Pets and family members are backing away from me. But I can tell you that my oven at 350 reads about 350, coffee on the warmer, 179, hot water tap, 133, high intensity desk lamp, 379, 60 watt ornamental lamp bulb, 283 degrees, inside my mouth, 97.7 degrees. Hey, these diodes aren't poisonous, are they?

Yes, I know you can get a three terminal T092 temperature indicator for cheap. I have several LM34s myself. But the version I have is only good to about 212F. If I want to keep from charring the brisket I'm supposed to be smoking again, I'll need something that goes higher. Plus, this way is more fun.

See you in FYB0. The temperature I report will be from the 1N4004. Unless something goes wrong--then I pull out my trusty alcohol in the bulb unit.

72--Nick, WA5BDU
in Arkansas

Date: Fri, 21 Feb 2003 23:03:11 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [146520] QRP Dummy Load Resister Kit
Message-ID: <0ad501c2da27\$51580d60\$6501a8c0@cstltn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

This weekend only... buy one, get one FREE!

4-Watt "Dummy Load" Resistor Kit
Only \$6 plus shipping!

<http://www.qrpp-i.com/>

73/72/71! de Brice KA8MAV

Date: Fri, 21 Feb 2003 21:29:00 -0800
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [146521] EMRFD: first impressions
Message-ID: <F20678k00dIOWQOQfni0000ff8c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

My copy arrived today, and my first impressions are very positive.

It's billed as the sucessor to Solid State Design for the Radio Amateur, which is some awfully big shoes to fill, but it fills them well. I like the way the authors maintain the "try it and see..." approach of the original, with the right tone, and lots of new ideas.

Sure, there are some typos. It's the first printing of a large, complex, brand new book. Big deal. The authors have done an excellent job. Well done!

BUY IT.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89lg pied a terre..."
ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

MSN 8 with e-mail virus protection service: 2 months FREE*
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Date: Sat, 22 Feb 2003 0:34:51 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-1 reflector" <qrp-1@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [146522] FYBO from North Dakota
Message-ID: <412003262263451198@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Greetings from North Dakota.....where tomorrow's high temperature is supposed to be BELOW FREEZING. Talk about a multiplier [g]. Anyway, I hope to run into many of you. The CW is most likely to be a bit wobbly here.

73,
--Doc/K0EVZ

Date: Fri, 21 Feb 2003 23:05:46 -0800
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: elecraft@mailman.qth.net, QRP-L <qrp-l@lehigh.edu>
Subject: [146523] Heading our for Radiofest
Message-ID: <3E57214A.2080402@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Wayne just arrived at my QTH and were heading out to Radiofest in Monterey before sunrise tomorrow. (<http://www.radiofest.org>)

Hope to see you all there!

73, Eric and Wayne

Date: Sat, 22 Feb 2003 13:43:24 GMT
From: hamjoel@juno.com
To: qrp-l@Lehigh.EDU, fpqrp-l@mpna.com
Subject: [146524] It's the Quarterly Editor
Message-ID: <20030222.054406.527.60419@webmail03.lax.unttd.com>

Sorry about my miss-communication...

we've had a transition period and ah guess ah an't ban transitioned yet and wanted to find the quarterly editor...

an't noe bodies angry, just a piece of work floating and I'm so tickled with it I didn't want it to fall between the cracks in a transition period...

I have been promising Brian something for the fp and heah ah gots an opportunity to give him my bestes shots yet... my thoughts, anyhow...

While ah gots u heah.... iffing u got u self a chance to attend the FDI thing in dayton please do so... Last years event turned into one of those life time memorable events for me... things couldn't have gone meaux perfect for me... it was a once in a lifetime experience... and the fp group played a big part in that.... and the qrp-parci directors sure done gud work.... u needs to geaux iffing u got usef the chance...

ok averybody on first base again? srry bout the mess up... Joel

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Date: Sat, 22 Feb 2003 08:59:19 +0000

From: ve3ab@mail.mondenet.com

To: qrp-l@lehigh.edu

Subject: [146525] Texas Bug Catcher Mobile Coil Wanted ie trade for items ect..

Message-ID: <200302221406.h1ME6Dk10386@barclay.mondenet.com>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

I have just put on the road a vehicle that my wife can drive while I can operate in the mobile ..while we do our commuting thing.\

#1) I wonder if anyone has a Texas Bug Catcher Mobile Coil

#2) Im think it will fit on a hustler mobile mast (which I have)

#3) Id also like the matching coil for the base.

- I could arrange to trade some items in my shack..ie I have some surplus antenna tuners and noise bridge and radio shack 440 mhz handheld as trade materials..or we could work out a deal.

73 Earl VE3AB

Date: Fri, 21 Feb 2003 08:41:48 -0600

From: "Robert Seymour" <bobsey@ozarkisp.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [146526] FS
Message-ID: <004101c2d9b7\$5de31180\$5d03db40@h4w9z4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale.
SOLID STATE DESIGN
by Wes Hayward and Doug DeMaw
1986 edition
Good condition.
Ship to conus for \$12.00

Thanks, Bob W0LK

Date: Sat, 22 Feb 2003 10:00:15 -0500
From: "Ken Simpson, W8EK" <W8EK@fdt.net>
To: "QRP List" <qrp-l@lehigh.edu>
Subject: [146527] TenTec 645 electronic keyer FS
Message-ID: <NGBBLMCL0LBPLBFNJPMKEDIDHAA.W8EK@fdt.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

TenTec keyer For Sale:

TenTec 645 electronic keyer

This keyer has built in iambic paddles, and features separate dit and dah memories (switchable), and either automatic or adjustable weighting. Speed control is on the front panel. It is powered from 13 V DC, and also has a variable touch control.

This particular unit is in very nice shape. It works 100% and looks very nice. Paper work is included for \$65 plus shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@fdt.net or W8EK@arrl.net
Voice Phone (352) 732-8400

Date: Sat, 22 Feb 2003 09:03:58 -0600
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [146528] FS: NJQRP Rainbow tuner Kit
Message-ID: <007501c2da83\$a525e410\$62c03fd8@8tracker>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have the new Rainbow Tuner Kit for sale. Just got it but it will not fit my needs. Price \$28.00 plus 2.00 shipping.
Kit cost 25.00 plus I paid 3.00 shipping. Just want to get my money back.
Thanks.
Gene N0MQ

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.445 / Virus Database: 250 - Release Date: 1/21/2003

Date: Sat, 22 Feb 2003 08:30:36 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: "'Jim N0UR'" <n0ur@attbi.com>
Cc: <qrp-l@lehigh.edu>
Subject: [146529] RE: FYBO question
Message-ID: <001801c2da87\$59778380\$4f4998d0@Bobs>
MIME-Version: 1.0

Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Go ahead and count once per mode. I'll post this to the list as well.

Bob

-----Original Message-----

From: Jim NOUR [mailto:n0ur@attbi.com]=20
Sent: Friday, February 21, 2003 2:42 PM
To: nk7m@extremezone.com
Subject: FYBO question

With the addition of SSB, and you work the same station, on the same band but different modes? Such as Field Day. Or, does "once per band" mean just once, either mode???

Date: Sat, 22 Feb 2003 11:42:51 -0500
From: Michael Babineau <michael.babineau@sympatico.ca>
To: morse_bugs@yahooogroups.com, brasspounders@yahooogroups.com,
qrp-l@Lehigh.EDU
Subject: [146530] Reminder First Bug Nite on Monday Feb 24
Message-ID: <AF2043BA-4684-11D7-8DBD-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v551)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Folks :

Just a quick reminder that we will be hosting our first "BUG NITE" this coming Monday Feb 24th. This is intended to be a ragchew session for Bugs users similar to the ARRL Straight Key Nights.

Why not dust off your Bug and join us from 0200 to 0400 UTC on or around 7.050 and 14.050 MHZ (FISTS frequencies minus 8KHZ)?

For more details see the "BUGS" web site at :

<http://www.qth.com/collegiate/bugnite.htm>

Hope to work some of you on Monday night!

Cheers,

Michael VE3WMB

Date: Sat, 22 Feb 2003 11:25:30 -0600
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [146531] Rainbow tuner kit SOLD!!!
Message-ID: <003401c2da97\$66c77620\$62c03fd8@8tracker>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.445 / Virus Database: 250 - Release Date: 1/21/2003

Date: Sat, 22 Feb 2003 12:53:09 -0500
From: Dan Puckett <wd8aau@woh.rr.com>
To: dwittlic@APCI.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [146532] Re: Solder Paste for SMT- Acquiring and using
Message-ID: <3E57B905.EC2C90DC@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Check out http://www.seattlerobotics.org/encoder/200006/oven_art.htm.
The article describes using paste with a toaster oven with good
results.

Have fun,

Dan "Bash Bits"
WD8AAU

Don wrote:

>
> Hello, I would appreciate some advice on use of solder in a
> paste form. Automated systems use paste, so I think it would
> be worth a try for manual soldering of surface mount
> components.
>
< snip >
> Thanks for the help,
> Don, WN9V

Date: Sat, 22 Feb 2003 10:28:36 -0800
From: "William Phinizy" <k6whp@verizon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [146533] NJQRP Digital Bread Board Project
Message-ID: <000f01c2daa0\$3830f3f0\$ea60e043@sydelpgnr79gmd>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The NJQRP Digital Breadboard project looks interesting but I was having difficulty locating a suitable development package for it whereby one can develop firmware in c rather than assembler? A cross-compiler, etc.

My thanks in advance for your help.

72,

Bill, k6whp

End of QRP-L Digest 2839

